## What is claimed is:

- 1. An electronic checkout system comprising:
- 1 (a) a tool box located in a tool storage room;
- 2 (b a plurality of tools stored in said tool box, each of
- 3 said plurality of tools having a tool identification means
- 4 imbedded therein, said tool identification means for each
- of said tools providing a radio frequency signal
- 6 containing a digital tool identification code which
- 7 operates as an identifier for each of said tools;
- 8 (c) first reader means mounted on said tool box, said
- 9 first reader means being adapted to receive and read the
- radio frequency signal provided by each of said tools to
- determine when each of said tools is being removed from
- said tool box by an authorized user, said first reader
- means reading the radio frequency signal provided by each
- of said tools and recording the digital tool
- identification code for each of said tools which said
- authorized user removed from said tool box:
- 17 (d) second reader means mounted on a wall adjacent an
- exit to said tool storage room, said second reader means
- being adapted to receive and read the radio frequency
- signal for each of said tools to determine when each of
- said tools is being removed from said tool storage room by

said authorized user, said second reader means reading the radio frequency signal provided by each of said tools and recording the digital tool identification code for each of said tools which said authorized user removed from said tool storage room;

- (e) an employee identification badge having an employee identification means imbedded therein, said employee identification badge being worn by said authorized user to identify said user as an individual authorized to remove each of said tools from said tool box and said tool storage room, the employee identification means for said employee identification badge providing a radio frequency signal containing a digital employee identification code for said authorized user; and
- (f) said first reader means and said second reader means reading the digital employee identification code for said employee identification badge to determine when the individual removing any one of said tools from said tool box and said tool storage room is said authorized user.
- 2. The electronic checkout system of claim 1 wherein the tool identification means for each of said tools and the employee identification means for said employee identification badge

- 4 operate at a frequency of 13.56 MHz and provides for read
- 5 distances of approximately five feet.
- 1 3. The electronic checkout system of claim 1 wherein the tool
- 2 identification means for each of said tools and the employee
- 3 identification means for said employee identification badge
- 4 operate at a frequency of 2.46 GHz and provides for read
- 5 distances of approximately ten feet.
- 1 4. The electronic checkout system of claim 1 wherein said
- 2 second reader means includes a recorder connected thereto, said
- 3 recorder recording the digital tool identification code for
- 4 each of said tools which has been removed from said tool
- 5 storage room by said authorized user.
- 5. The electronic checkout system of claim 1 wherein said
- 2 second reader means includes an alarm which is activated
- 3 whenever an unauthorized individual removes one tool of said
- 4 plurality of tools from said tool storage room.
- 1 6. The electronic checkout system of claim 1 further comprising
- a wrist band worn by said authorized user, said wrist band
- 3 having employee identification means imbedded therein, said

- wrist band badge being worn by said authorized user to identify
  said user as the individual authorized to remove each of said
  tools from said tool box and said tool storage room, the
  employee identification means for said wrist band providing a
  radio frequency signal containing said digital employee
  identification code for said authorized user.
- 7. The electronic checkout system of claim 1 wherein said
  plurality of tools stored in said tool box comprises screw
  drivers, pliers, wrenches, metal cutting saws, wire strippers
  wire cutters, electric drills, electric bandsaws, and specialty
  tools.
- 8. An electronic checkout system comprising:

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- (a) a tool box located in a tool storage room;

  (b a plurality of tools stored in said tool box, each of

  said plurality of tools having a radio frequency

  identification (RFID) device imbedded therein, said radio

  frequency identification device for each of said tools

  operating as an identifier for each of said tools;

  (c) a first RFID reader mounted on said tool box, said
  - first RFID reader being adapted to read the radio

frequency identification device for each of said tools to determine when each of said tools is being removed from said tool box by an authorized user, said first RFID reader reading and recording the radio frequency identification device for each of said tools which said authorized user removed from said tool box;

- (d) a second RFID reader mounted on a wall adjacent an exit to said tool storage room, said second RFID reader being adapted to read the radio frequency identification device for each of said tools to determine when each of said tools is being removed from said tool storage room by said authorized user, said second RFID reader reading and recording the radio frequency identification device for each of said tools which has been removed from said tool storage room by said authorized user;
- (e) an employee identification badge having a radio frequency identification device imbedded therein, said employee identification badge being worn by said authorized user to identify said user as an individual authorized to remove each of said tools from said tool box and said tool storage room; and
- (f) said first RFID reader and said second RFID reader reading the radio frequency identification device for said

- employee identification badge to determine when the
  individual removing any one of said tools from said tool
  box and said tool storage room is said authorized user.
  - 9. The electronic checkout system of claim 8 wherein the radio frequency identification device for each of said tools and the radio frequency identification device for said employee identification badge operate at a frequency of 13.56 MHz and provides for read distances of approximately five feet.
  - 1 10. The electronic checkout system of claim 8 wherein the radio 2 frequency identification device for each of said tools and the 3 radio frequency identification device for said employee 4 identification badge operate at a frequency of 2.46 GHz and 5 provides for read distances of approximately ten feet.
  - 1 11. The electronic checkout system of claim 8 wherein said
    2 second RFID reader includes a recorder connected thereto, said
    3 recorder recording the radio frequency identification device
    4 for each of said tools which has been removed from said tool
    5 storage room by said authorized user.
  - 1 12. The electronic checkout system of claim 8 wherein said

- 2 second RFID reader includes an alarm which is activated
- 3 whenever an unauthorized individual removes one tool of said
- 4 plurality of tools from said tool storage room.
- 1 13. The electronic checkout system of claim 8 further
- 2 comprising a wrist band worn by said authorized user, said
- 3 wrist band having a radio frequency identification device
- 4 imbedded therein, said wrist band badge being worn by said
- 5 authorized user to identify said user as the individual
- 6 authorized to remove each of said tools from said tool box and
- 7 said tool storage room.
- 1 14. The electronic checkout system of claim 8 wherein said
- 2 first RFID reader has a sensor element, a keypad and a display
- 3 wherein said sensor element is adapted to receive radio
- 4 frequency signals transmitted by the radio frequency
- 5 identification device for each of said tools, said keypad
- 6 allows said authorized user to enter additional information
- 7 into said first RFID reader relating to each of said tools said
- 8 authorized user removes from said tool box, and said display
- 9 allows said authorized user to read said additional information
- 10 the authorized user entered into said first RFID reader.

- 1 15. The electronic checkout system of claim 8 wherein said second RFID reader has a sensor element, a keypad and a display 2 wherein said sensor element is adapted to receive radio frequency signals transmitted by the radio frequency 5 identification device for each of said tools, said keypad 6 allows said authorized user to enter additional information into said second RFID reader relating to each of said tools 7 8 said authorized user removes from said tool storage room, and 9 said display allows said authorized user to read said 10 additional information the authorized user entered into said 11 second RFID reader.
  - 1 16. The electronic checkout system of claim 8 wherein said
    2 plurality of tools stored in said tool box comprises screw
    3 drivers, pliers, wrenches, metal cutting saws, wire strippers
    4 wire cutters, electric drills, electric bandsaws, and specialty
    5 tools.
  - 1 17. The electronic checkout system of claim 8 further comprising:
  - (a) a wireless link having an antenna, said wireless link being connected to a network which includes said second RFID reader adjacent the exit to said tool storage room;

- 6 (b) a remote toolbox which transmits information via radio
- frequency signals to the antenna of said wireless link relating
- 8 to portable tools removed from said remote tool box by said
- 9 authorized user; and
- 10 (c) a database connected to said network, said database
- including a list of employees authorized to remove said
- 12 protable tools from said remote toolbox and to remove said
- tools from said tool box located in said tool storage room.
  - 1 18. The electronic checkout system of claim 17 further
  - 2 comprising at least one additional tool box located in said
  - 3 tool storage room.
  - 1 19. An electronic checkout system comprising:
  - 2 (a) a tool box located in a tool storage room;
  - 3 (b a plurality of tools stored in said tool box, each of
- 4 said plurality of tools having a tool identification
- 5 device imbedded therein, said tool identification device
- for each of said tools providing a radio frequency signal
- 7 containing a digital tool identification code which
- 8 operates as an identifier for each of said tools:
- 9 (c) a first RFID reader mounted on said tool box, said
- 10 first RFID reader being adapted to receive and read the

radio frequency signal provided by each of said tools to determine when each of said tools is being removed from said tool box by an authorized user, said first RFID reader reading the radio frequency signal provided by each of said tools and recording the digital tool identification code for each of said tools which said authorized user removed from said tool box; (d) second RFID reader mounted on a wall adjacent an exit to said tool storage room, said second RFID reader being adapted to receive and read the radio frequency signal for each of said tools to determine when each of said tools is being removed from said tool storage room by said authorized user, said second RFID reader reading the radio frequency signal provided by each of said tools and recording the digital tool identification code for each of said tools which said authorized user removed from said tool storage room;

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(e) an employee identification badge having an employee identification device imbedded therein, said employee identification badge being worn by said authorized user to identify said user as an individual authorized to remove each of said tools from said tool box and said tool storage room, the employee identification device for said

employee identification badge providing a radio frequency signal containing a digital employee identification code for said authorized user;

- (f) said first RFID reader and said second RFID reader reading the digital employee identification code for said employee identification badge to determine when the individual removing any one of said tools from said tool box and said tool storage room is said authorized user; and
- (g) said tool identification device for each of said tools and said employee identification device for said employee identification badge each comprising a radio frequency identification device selected from the group of radio frequency identification devices consisitng of (a) a first RFID device operating at a frequency of 13.56 MHz and providing for read distances of approximately five feet, and (b) a second RFID device operating at a frequency of 2.46 GHz and providing for read distances of approximately ten feet.
- 20. The electronic checkout system of claim 19 further comprising a wrist band worn by said authorized user, said wrist band having a radio frequency identification device

- 4 imbedded therein, said wrist band badge being worn by said
- 5 authorized user to identify said user as the individual
- authorized to remove each of said tools from said tool box and
- 7 said tool storage room.